AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listing of claims in the application:

LISTING OF CLAIMS:

Claim 1 (Currently amended) A power off method for a wireless device, the wireless device comprising at least one peripheral ~~circuits and~~ circuit, a control chip and a power source providing power to the control chip and the peripheral circuit, the method comprising the steps of:

pressing a button of said wireless device; ~~and~~

terminating the power to said at least one peripheral ~~circuits~~ circuit of said wireless device and maintaining the power to said control chip responsive to said button being pressed, hence bringing ~~the~~ said wireless device into a power off mode; and

said control chip maintaining an active ID code during the power off mode for use at a next turn on mode for saving connection time of said wireless device.

Claim 2 (Original) The power off method for a wireless device as claimed in claim 1, further comprising a step to determine whether said button has been pressed longer than a preset period of time T or not.

Claim 3 (Original) The power off method for a wireless device as claimed in claim 2, wherein a power off function is enabled if said button is depressed for a period exceeding said time T.

Claim 4 (Original) The power off method for a wireless device as claimed in claim 2, wherein a function of changing a new ID code is enabled if said button is pressed for a period shorter than the preset time T.

Claim 5 (Original) The power off method for a wireless device as claimed in claim 1, further comprising a step of setting proper I/O configurations before entering into power off mode so as to reduce power consumption.

Claim 6 (Original) The power off method for a wireless peripheral device as claimed in claim 1, wherein the said wireless device has to be resumed by pressing said button again, if said wireless device has been put in the power off mode through said method.

Claim 7 (Currently amended) A power off method for a wireless peripheral

device, ~~an ID code being stored in a control chip of said wireless peripheral~~

~~device, said method~~ comprising the steps of:

initiating a synchronization process to uniquely identify said wireless

peripheral by selecting one of a plurality of ID codes by a control chip for use in

communications with a computer;

pressing a key of said wireless peripheral; ~~and cutting off~~

terminating power ~~supply~~ supplied to all other parts of said wireless

peripheral except said control chip responsive to said key being pressed to

define a power off mode, said control chip maintaining said selected ID code

during said power off mode for subsequent communications with the computer;

pressing said key of said wireless peripheral while in said power off mode;

and

reinitiating supplying power to said other parts of said wireless peripheral

responsive to said step of pressing said key of said wireless peripheral while in

said power off mode, said control chip continuing to use said selected ID code

without repeating said synchronization process.

Claim 8 (Original) The power off method for a wireless peripheral device as claimed in claim 7, further comprising a step to determine whether said key has been pressed over a preset period of time T or not.

Claim 9 (Currently amended) The power off method for a wireless peripheral device as claimed in claim 8, wherein said ~~key provides a power off function if~~ step of terminating power is initiated responsive to said key ~~is~~ being pressed for a period of time exceeding said time T.

Claim 10 (Currently amended) The power off method for a wireless peripheral device as claimed in claim 8, wherein said synchronization process is initiated responsive to said key ~~provides a function of changing an ID code if said key is~~ being pressed for a period of time not exceeding said time T.

Claim 11 (Currently amended) The power off method for a wireless peripheral device as claimed in claim 7, wherein the step of terminating power further includes the step of configuring ~~an~~ I/O ~~configurations are further set before cutting off the power supplied to all other parts except said control chip~~ pins to minimize power consumption.

Claim 12 (Cancelled).

Claim 13 (Currently amended) A power off method for a wireless peripheral device, wherein said wireless peripheral device emits wireless signals to a wireless receiver [[,]] which is connected to a computer, a control chip of said wireless peripheral device storing ~~an~~ a selected one of a plurality of ID code~~s~~ after the completion of an identification process between said wireless peripheral device and said wireless receiver, wherein the signal emitted from said wireless peripheral device is received by said wireless receiver and said power off method comprises the following steps:

pressing a key of said wireless peripheral device; and

maintaining ~~reserving~~ power ~~supply~~ supplied to said control chip and terminating power ~~supply~~ supplied to all other parts of said wireless device, said control chip maintaining said selected ID code during said power off mode for during a subsequent turn on mode to save connection time between said wireless peripheral device and said wireless receiver.

Claim 14 (Currently amended) The power off method for a wireless peripheral device as claimed in claim 13, further comprising a step ~~to determine~~ of determining whether ~~its~~ said key has been pressed for a time ~~has~~ that exceeds ~~the~~ a preset time T ~~or not~~.

Claim 15 (Currently amended) The power off method for a wireless peripheral device as claimed in claim 14 wherein said step of maintaining power supplied to said control chip and terminating power supplied to all other parts of said wireless device is initiated responsive to ~~the~~ said key ~~provides a power off function if the said key is~~ being pressed for a period of time exceeding said preset time T.

Claim 16 (Currently amended) The power off method for a wireless peripheral device as claimed in claim 14, wherein the identification process is initiated responsive to said key ~~provides a function of changing an ID code if it is~~ being pressed for a period of time shorter than preset time T.

Claim 17 (Currently amended) The power off method for a wireless peripheral device as claimed in claim 13, wherein said step of maintaining power supplied to said control chip and terminating power supplied to all other parts of said wireless device includes the step of configuring ~~an~~ I/O ~~configuration is further set before terminate power supply to all other circuit parts except said control chip~~ pins to minimize power consumption.

Claim 18 (Currently amended) The power off method for a wireless peripheral device as claimed in claim 13, ~~wherein after the termination of power supply to all other parts except said control chip, the~~ further comprising the step of pressing said key ~~must be pressed again~~ a subsequent time in order to restore power ~~supply~~ supplies to said all other parts of said wireless peripheral device.

Claim 19 (Original) The power off method for a wireless peripheral device as claimed in claim 13, wherein said wireless peripheral device is a wireless mouse or a wireless keyboard.